

66347-121-2

10/529771
JC17 Rec'd PCT/PTO 30 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) PATENT
)
IAN ANDERSON et al) GROUP: Unassigned
)
Serial No.: National Phase based on) EXAMINER: Unassigned
PCT/GB2003/004391)
) CUSTOMER NO.: 25269
Filed: March 29, 2004)
)

DETECTING APPARATUS

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 30, 2005

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each item is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date, OR (b) before the mailing date of a first Office Action on the merits in the present application, OR (c) accompanies a Request for Continued Examination. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

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- ☐ c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 04-2223 as needed to ensure consideration of the disclosed information.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check in the amount of \$180.00 in payment of the petition fee under 37 CFR §1.17(i)(1). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 04-2223 as needed to ensure consideration of the disclosed information.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

Respectfully submitted,

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(March 30, 2005)

INFORMATION DISCLOSURE STATEMENT Form PTO-1449 (Use several sheets if necessary)	ATTY. DOCKET NO. 66347-121	SERIAL NO. Unassigned 10/529771
	APPLICANT Ian ANDERSON et al.	
	FILING DATE March 29, 2005	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CL AS S	SUB CLASS	FILING DATE IF APPROPRIATE
	3,620,678	11/16/1967	Jean GULGAN, et al			
	3,526,480	9/1/1970	Eugene FINDL et al.			
	4,218,421	8/19/1980	Mack, Jr., et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
					YES	NO
0299517	1/18/1989	EP.			x	
01/59449	8/16/2001	WO			x	
0 713 641 A1	5/29/1996	EP			x	
0 459 511 A2	12/4/1991	EP			x	
DE 39 08 123 A1	9/21/1990	DE				x
					x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	Mika P.A. Laitinen & Matti Vuento, "Affinity immunosensor for milk progesterone: identification of critical parameters," vol. 11 no. 12, pp. 1207-1214, 1996
	R.M. Pemberton, J.P Hart, T.T. Mottram, "An electrochemical immunosensor for milk progesterone using a continuous flow system," Biosensors & Bioelectronics 16 (2001) 715-723
	Toby Mottram, John Hart, Roy Pemberton, "A Sensor Based Automatic Ovulation Prediction System for Dairy Cows, Lecce, Italy, 12-16 February 2000, pages 44-53, XP009024474
	Rodney W. Claycomb, Michael J. Delwiche, "Biosensor for on-line measurement of bovine progesterone during milking," Biosensors & Bioelectronics 13 (1998) 1173-1180

	Maria N. Velosoco-Garcia and Toby Mottrom, "Biosensors in the livestock industry; an automated ovulation prediction system for dairy cows," Silsoe Research Institute
	R.M. Pemberton, et al., "A comparison of 1-naphthyl phosphate and 4 aminophenyl phosphate as enzyme substrates for use with a screen-printed amperometric immunosensor for progesterone in cows' milk," Biosensors & Bioelectronics 14 (1999) 495-503
EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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